

In the Claims:

Claims 1-18 (Cancelled)

19. (Original) A fluid flow measuring device, comprising:

a plurality of resistors disposed in a circular pattern;

a plurality of electrodes, each electrode coupled between two adjacent resistors;

a first coil of wire adapted to generate a magnetic field wound proximate the resistors and electrodes;

a second coil of wire adapted to generate a magnetic field wound proximate the resistors and electrodes; and

a voltage measuring mechanism electrically coupled between two of the resistors, wherein a flow of conductive fluid is detectable by measuring the voltage.

20. (Original) The fluid flow measuring device according to Claim 19, further comprising a ferromagnetic material disposed between the two coils.

21. (Original) The fluid flow measuring device according to Claim 19, wherein at least the resistors and electrodes are mounted on a sensor loop, the sensor loop being spring-loaded and being adapted to exert outward pressure to maintain contact of the sensor loop substantially flush with a borehole interior wall.

22. (Original) The fluid flow measuring device according to Claim 19, further comprising:

means for maintaining flush contact of the sensor loop with a borehole interior wall over a range of borehole casing diameters.

Claims 23-29 (Cancelled)